## **IN THE CLAIMS**:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-6 have been amended and claims 7-10 have been added as follows:

## **Listing of Claims:**

Claim 1 (currently amended): A heat insulating plunger sleeve for use in die casting machines which comprises a hollow cylinder provided at a base end thereof with a molten metal outlet [[(13)]] adapted to communicate with a die [[(80)]] and connecting means [[(16)]] connectable to the die [[(80)]], the hollow cylinder having an opening [[(14)]] at an outer end thereof for a plunger tip [[(70)]] to be inserted thereinto and a molten metal inlet [[(15)]] formed in a peripheral wall thereof for injecting a molten metal into the cylinder therethrough,

the plunger sleeve being characterized in that the sleeve comprises a first metal layer [[(20)]] made of a metal having high heat resistance and providing an inner periphery of the sleeve, a second metal layer [[(40)]] providing an outer periphery of the sleeve, and a ceramic layer [[(30)]] formed between the first metal layer [[(20)]] and the second metal layer [[(40)]], the ceramic layer [[(30)]] comprising a ceramic powder and/or a ceramic fiber consolidated to at least 50% to not greater than 90% in relative density.

Claim 2 (currently amended): The heat insulating plunger sleeve for use in die casting machines according to claim 1 wherein the second metal layer [[(40)]] comprises a plurality of metal layers (41), (41), and a ceramic layer [[(30)]] comprising a ceramic powder and/or a ceramic fiber consolidated to at least 50% to not greater than 90% in relative density is positioned between the

metal layers (41), (41).

Claim 3 (currently amended): The heat insulating plunger sleeve for use in die casting machines according to claim 1 [[or 2]] wherein each of the ceramic layers [[(30)]] is up to 2 mm in thickness.

Claim 4 (currently amended): The heat insulating plunger sleeve for use in die casting machines according to claim [[1 or]] 2 wherein the first metal layer (20) is 3 to 15 mm in thickness each of the ceramic layers is up to 2 mm in thickness.

Claim 5 (currently amended): The heat insulating plunger sleeve for use in die casting machines according to claim 1 [[or 2]] wherein the first metal layer (20) comprises, in % by weight, 0.32 to 0.42% of C, 0.8 to 1.2% of Si, up to 0.5% of Mn, 4.5 to 5.5% of Cr, 1.0 to 1.6% of Mo, 0.5 to 1.2% of V and the balance substantially Fe is 3 to 15 mm in thickness.

Claim 6 (currently amended): The heat insulating plunger sleeve for use in die casting machines according to claim [[1 or]] 2 wherein each of the ceramic layers 30) comprises at least one powder or fiber selected from the group consisting of Al<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>, ZrO<sub>2</sub>, SiO<sub>2</sub>, SiO<sub>3</sub>, Al<sub>4</sub>, BN, TiB<sub>3</sub>-SiC and MoSi<sub>4</sub>, the first metal layer is 3 to 15 mm in thickness.

Claim 7 (new): The heat insulating plunger sleeve for use in die casting machines according to claim 1 wherein the first metal layer consists essentially of, in % by weight, 0.32 to 0.42% of C, 0.8 to 1.2% of Si, up to 0.5% of Mn, 4.5 to 5.5% of Cr, 1.0 to 1.6% of Mo, 0.5 to 1.2% of V and the balance substantially Fe.

Claim 8 (new): The heat insulating plunger sleeve for use in die casting machines according to claim 2 wherein the first metal layer consists essentially of, in % by weight, 0.32 to 0.42% of C,

0.8 to 1.2% of Si, up to 0.5% of Mn, 4.5 to 5.5% of Cr, 1.0 to 1.6% of Mo, 0.5 to 1.2% of V and the balance substantially Fe.

Claim 9 (new): The heat insulating plunger sleeve for use in die casting machines according to claim 1 wherein each of the ceramic layers comprises at least one powder or fiber selected from the group consisting of Al<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>, ZrO<sub>2</sub>, SiO<sub>2</sub>, Si<sub>3</sub>N<sub>4</sub>, BN, TiB<sub>2</sub>, SiC and MoSi<sub>2</sub>.

Claim 10 (new): The heat insulating plunger sleeve for use in die casting machines according to claim 2 wherein each of the ceramic layers comprises at least one powder or fiber selected from the group consisting of Al<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>, ZrO<sub>2</sub>, SiO<sub>2</sub>, Si<sub>3</sub>N<sub>4</sub>, BN, TiB<sub>2</sub>, SiC and MoSi<sub>2</sub>.